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ENVIRONMENTAL MANAGEMENT AND EMERGENCY RESPONSE PLAN (EERP)

GREYHOPE ROAD WEST EMBANKMENT

FOR

ABERDEEN CITY COUNCIL

Job No 2727

21st May 2020

Rev 3

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Record of Client Approval

Position	Name	Signature	Date

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1 INTRODUCTION

This Environmental Management and Emergency Response Management Plan (EMERP) describes the management processes, procedures and controls that will be employed to prevent harm to the environment and ecology during the proposed Greyhope Road West Embankment works for Aberdeen City Council. This plan also includes the measures that will be employed in the event of an emergency situation.

The project involve works below the MHWS within the boundary of the River Dee Special Area of Conservation (SAC), therefore the site is extremely sensitive both environmentally and ecologically.

Prior to commencement on site the methodology has been developed to satisfy the provisions and conditions contained in the following:

- Aberdeen Harbour Board HE1 works licence (for works below MHWS line)
- Habitats Regulations Assessment (HRA) created by Aberdeen City Council and accepted by Scottish Natural Heritage (SNH)
- Special Area of Conservation (SAC) for Atlantic Salmon, Fresh Water Pearl Mussels and Otters

Once the conditions are satisfied the necessary control measures will be implemented at the start of the construction phase and these will be maintained to completion.

This emergency plan applies to all W M Donald Ltd Employees and Sub-Contractors, and any other persons operating within the site.

In the first instance the W M Donald Contracts Manager or Site Supervisor will be responsible for implementing the procedures in this plan.

Where the Contracts Manager or Site Supervisor is not available the senior operative on site will be responsible for implementing the procedures in this plan.

Where appropriate seek help from the Contracts Manager or Director when required.

In the event of an incident on site, this must be reported to the WMD Ltd head office for the attention of the HSEQ Manager.

2. SITE SPECIFIC CONTROL MEASURES

Plant and Equipment Including Recovery of Plant from the Foreshore:

- All Plant Operators and groundworkers will have the appropriate CPCS and CSCS training for the works they are carrying out
- All plant and equipment used for this project will be regularly maintained and subject to daily inspections prior to use
- The tracked excavator and wheeled dumper will provide a method of recovery for each other should one of them breakdown. The affected item of plant will be towed to an area above the MHWS using appropriate recovery equipment
 - Primary recovery location will be the sloped access path to the east of the site however the most appropriate location will be selected depending on the location of the item of plant
- Mobile plant fitters are employed directly by W M Donald Ltd and can respond quickly to emergencies on site
- W M Donald Ltd are operating on other sites locally including at Charleston Cove and if necessary can transport additional plant to site at short notice

Weather and Tidal Conditions:

- Daily monitoring of weather forecasts and tide times will be carried out to ensure works can proceed
- Where the forecast is unfavourable a decision will be taken on whether works will proceed that day
- A similar approach will be taken where working period is shortened by tide times

Control of Fuel and Other Fluids:

- Spill kits will be kept at the site compound and on each item of mobile plant
- Fuel tanks will be located in the site compound away from the beach area
- Fuel tanks are the bunded type and a spill kit will be kept with the tank at all times
- Fuel tanks are also padlocked when not in use
- Site welfare will be self-contained and serviced weekly
- No fuelling will take place on the foreshore

Additional Ecological Measures:

- Awareness of the presence of otters which are present occasionally on and near the site
- Implementation of the specific recommendations of the otter survey report
 - Toolbox talk delivered during site induction (refer to Appendix B)
 - Checks for the presence of otters by the foreman prior to construction starting each day as recommended in the recent otter survey report
 - If evidence of otters is found the works will cease until an Ecologist is contacted

- Segregation of construction works from non-native invasive species, so they are not disturbed as recommended in the recent report on otter and non-native invasive species (refer to Appendix C)
 - A site visit will be carried out between Aberdeen City Council and W M Donald Ltd to identify the area where Japanese Knotweed was identified previously which will then be segregated from the works using temporary fencing
 - The same method will be used if any other areas of potential non-native species are identified

Access and Egress – Foreshore:

- Established route used during previous phases for access to the foreshore will be used which is an existing sloped access to the east of the work site
- A second access point may be utilised by forming a temporary ramp directly off Greyhope Road on to the beach to the west of the work site
 - Refer to the Traffic Management Plan for further details
- Excavator to clear any large boulders/rocks from the route to provide dumper access
- Daily review of tide times to maximise working periods during low tides
- Ensure plant working on the foreshore return to the sloped access in sufficient time before the tide comes in

3. CONTACT NUMBERS

SITE CONTACT LIST

Willie Donald	Chief Executive Officer	07764 931971
Austen Brooks	Senior Contracts Manager	07525 592869
Katy Forbes	Senior Quantity Surveyor	01569 730590
Scott Dickie	Senior Technical Engineer	07495 150570
Ian Gray	Operations Director	07841 210963
Ewan Riddoch	Managing Director	07764 931960
Eilidh Cameron	HR & HSEQ Compliance Manager	07989 352487
Mike Meldrum	Engineering Director	07843 356359

EMERGENCY TELEPHONE NUMBERS

Emergency Services	999	
Accident and Emergency - ARI	999 / 0345 4566000	(refer to App. A1 for map)
Torry Medical Practice	0345 3379977	(refer to App. A2 for map)
Police Scotland	999 Emergency	101 Non - Emergency
Scottish Fire and Rescue Service	999	
Ambulance Service	999	
Health & Safety Executive (HSE)	0345 3009923	
SSE Power Distribution (Electric)	0800 300 999	
National Gas Helpline SGN/ SSE	0800 111 999	
Scottish Water	0845 600 8855	
Openreach (BT)	0800 023 2023	
SEPA	03000 996699	
QUENSH Specialists	01358 788094	

4 INCIDENT TYPE – FIRE

- Alert others – Shout ‘Fire’ ‘Fire’ ‘Fire’
- Call the Fire Service – **Dial 999** on the nearest ‘safe’ telephone
- Only attempt to fight the fire if the fire blocks the escape route
- Evacuate to the Muster Point or a safe place (at least 30m upwind if possible)
- Attempt to warn others of the dangers
- Brief the emergency services upon their arrival and follow their instructions
- If working on a 3rd Parties site follow their specific ‘Fire Instructions’
- Do not re-enter the area until authorised to do so by the Fire Service

5 INCIDENT TYPE – MEDICAL

- Alert others by shouting for assistance
- Call an Ambulance if required – **Dial 999**
- Contact trained First Aider to administer first aid – listed above
- If appropriate take the injured person to the local hospital (A&E) or Health Centre - see list
- A ‘First Aid’ kit & ‘Eye Wash’ is located in the Site Office
- Do not move injured persons unless it is essential to protect life
- Brief the emergency services upon their arrival and assist as required

6 INCIDENT TYPE – ELECTRICITY

- Evacuate the immediate area around the excavation or other cable location
- Ensure no personnel or public enter affected area
- Call SSE Power Distribution Emergency Number
- Stand by site until Network Operator arrives and advises site is safe to continue work
- Inform Contracts Manager or Director of damage immediately

7 INCIDENT TYPE – GAS ESCAPE

- Evacuate the immediate area around the excavation or other pipe location
- Notify the National Gas Helpline call centre **0800 111 999** if :-
 - a. an explosion, fire, gassing or other injury has resulted from the gas escape
 - b. you have to evacuate
 - c. there is a substantial escape of gas
 - d. rapid deterioration of the situation occurs
 - e. the Emergency Services, HSE, SEPA or Media have been called or have arrived
- Inform your Contracts Manager of damage immediately and contact W M Donald Ltd Reporting Hotline on 01569 730590
- **Do Not** operate plant or equipment in the danger area – risk of ignition
- **Do Not** allow any smoking in the danger area – risk of ignition
- **Do Not** allow radio's or mobile telephones to be operated in the danger area – risk of ignition
- Stand by site until Network Operator arrives and advises site is safe to continue work
- Inform Contracts Manager or Director of damage immediately

8 INCIDENT TYPE – ENVIRONMENTAL AND ECOLOGICAL

- Make sure you know what the substance is – SAFETY FIRST
- **STOP** the spill or leak at source if safe to do so
- **CONTAIN** the spill using your spill kit (generally located at the diesel tank) or other locally available materials such as sand or earth
- **DIVERT** the spill so that it does not enter drains or other watercourse
- In the event of a large spill (Tier 2 or greater -see Definitions below) or where there is a risk that the spill enters a watercourse, contact William Nicol Industrial Services on 01224 783163 or Taylor Industrial Services on 01224 872972 and request immediate assistance
- Inform Contracts Manager or Director of spill immediately
- Clean up all contaminated materials after the incident and dispose of appropriately
- Consider the evacuation of personnel not involved in spill control operations

Definitions

Land based spills are defined by the internationally recognised Tier system

- Near Miss: An unplanned event (such as a spillage) which has the potential to cause pollution but due to location or quick response does not result in pollution/contamination/nuisance.
- Tier 1 - Minor Incident: (WMD Severity rating 2) An event which is likely to cause, or has caused, pollution or harm to either water resources or ground, or involves abnormal emissions to air, or physical impact to ecosystems, that can be controlled and any emissions dealt with within one hour of the incident occurring locally by the person in charge without having to call on assistance internally or externally. This includes breaches of consent, permit or licence conditions.
- Tier 1 - Medium Incident: (WMD Severity rating 3) An event which is likely to cause, or has caused, pollution or harm to either water resources or ground, or involves abnormal emissions to air, or physical impact to ecosystems, that can be controlled and any emissions dealt with within one hour of the incident occurring locally with assistance from internal spill responders. This includes breaches of consent, permit or license conditions.
- Tier 2 - Major Incident: (WMD Severity Rating 4) An incident where an emergency situation arises, a legal breach is identified or enforcement action is served by a regulator, or there has been a major system failure.
- Tier 3 - Major Incident: (WMD Severity Rating 5) A large spill, requiring a national response and resources

‘Incident’: as defined by the Controlled Activity Regulations (CAR) licence is:

- any accident which has had or could have an adverse impact on the water environment; or
- any malfunction, breakdown or failure of plant or techniques which has had or could have an adverse impact on the water environment; or
- any event, such as force majeure or action taken to save human life or limb, which results, or is likely to result, in a breach of any condition of this licence.

Emergency:

- A major incident where the effects of the event cannot be controlled (e.g. blowout from cement silos, breakout from processes involving bentonite, major spillages of hazardous substances).

Blowout:

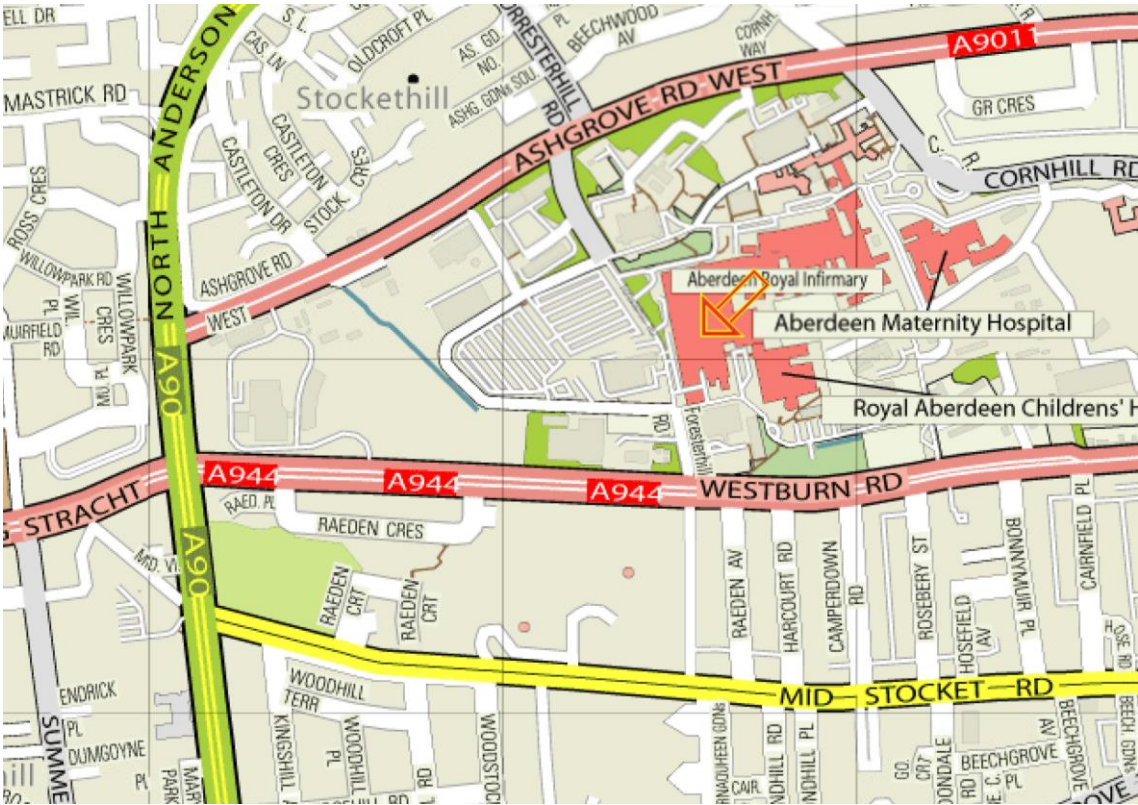
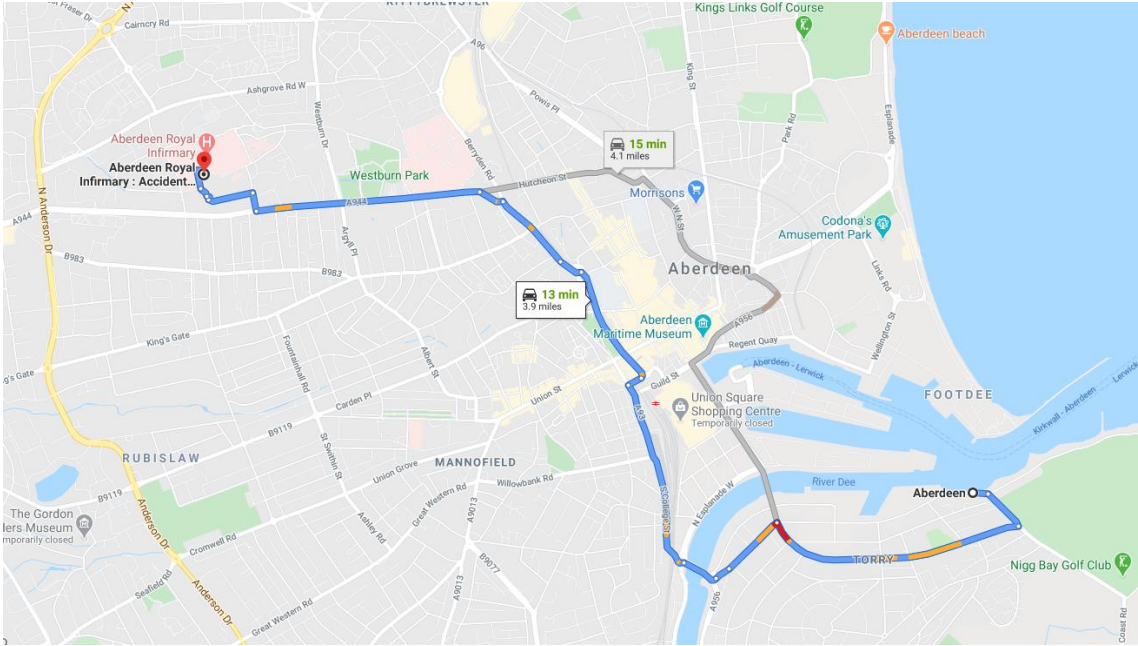
- Any malfunction or breakdown which results in abnormal emissions to the air which are likely to have an effect on the local community, and which require the local enforcing authority to be notified

9 INCIDENT TYPE – WATER INCIDENT

- Evacuate to safe position
- Ensure no personnel or public enter affected area
- Call Water Network Operators Emergency Number
- Stand by site until Network Operator arrives and advises site safe to continue work
- Inform Contracts Manager or Director immediately
- Ensure the local water network is not affected by external environmental factors such as spillages or other contaminants
- Divert water to a suitable drainage point

APPENDIX A1 ACCIDENT AND EMERGENCY LOCATION

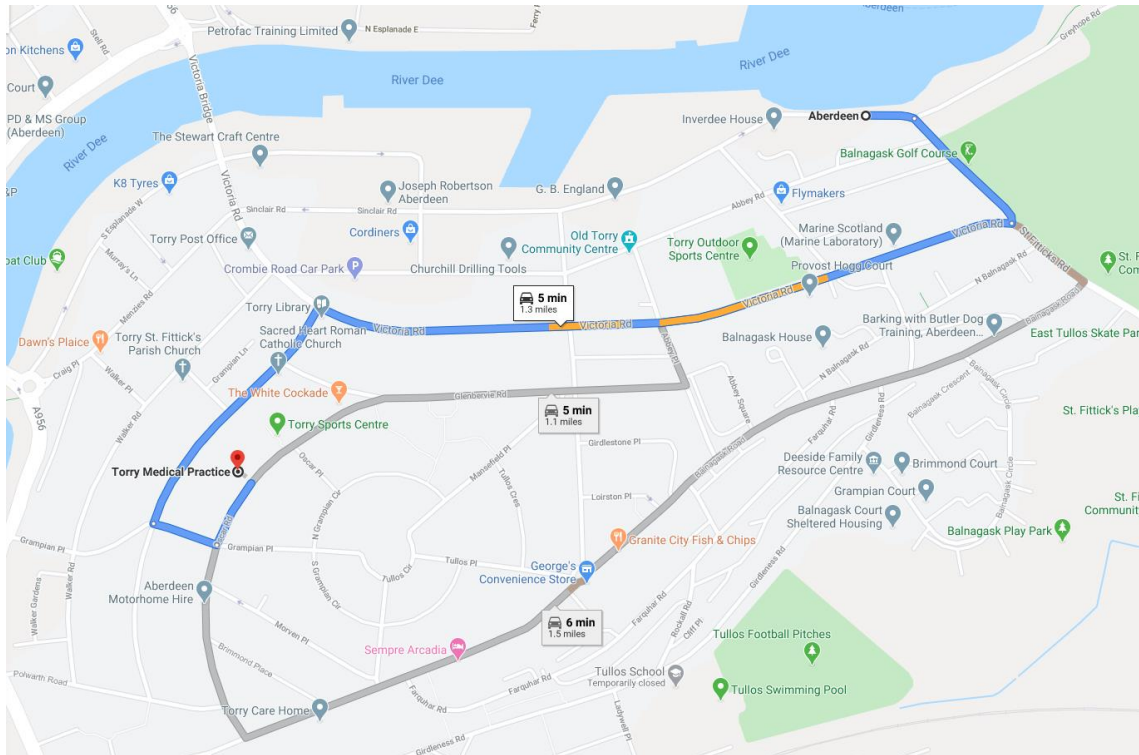
ABERDEEN ROYAL INFIRMARY
FORESTERHILL ROAD
ABERDEEN
AB25 2ZN
0345 4566000



APPENDIX A2 DOCTORS SURGERY LOCATION

Note: Provided for general information only – where treatment of a minor injury is beyond what the on-site first aider can administer then the casualty should be taken to Accident and Emergency as per Appendix A1.

Torry Medical Practice, Oscar Road, Torry, Aberdeen, AB11 8ER
Tel : 0345 3379977



APPENDIX A3 SITE LOCATION PLAN

Site Address:

W M Donald Ltd
Greyhope Road
Aberdeen
AB11 9BP

Head Office Address:

WM Donald Ltd
Marrlaine, Craigwell
Netherley, Stonehaven
AB39 3QN
Tel: 01569 730590
Fax: 01569 731315
Email: Info@wmdonald.co.uk



Emergency Site Contact:

Willie Donald: 07764 931971
Austen Brooks: 07525 592869

The site co-ordinates are centered at:

- Latitude: 57° 08' 22" N (57.139341)
- Longitude: 2° 04' 50" W (-2.080465)

For emergency vehicle access:

- Travel along Market Street heading south
- Cross Victoria Bridge into Torry
- Take the second left on to Sinclair Road
- Continue along Sinclair Road until arriving at Greyhope Road
(where access cannot be gained directly from Sinclair Road use Baxter Street, Victoria Road and St Fitticks Road to access the east side of the site)

APPENDIX B OTTER TOOLBOX TALK

Otter (*Lutra lutra*)

Identification

- Otters are members of the Mustelidae family of carnivores, which also includes the badger, polecat, mink, ferret, pine marten, stoat and weasel.
- Otters have long slender bodies with short legs and a thick tapered tail.
- They have dark brown fur on the back with a pale underside.
- Males weigh about 9kg and average 1.1m in length.
- Their head is flattened with a broad muzzle, small eyes and ears.
- Otters swim low in the water with only nose and eyes above water.
- Droppings (spraints) are deposited on rocks along watercourses and are made up of a mass of fish bones and scales.
- Footprints are dog-sized, webbed with five toes and are approximately 50mm across.



**OTTERS ARE KNOWN TO
UTILISE HABITATS WITHIN
THE SITE FOOTPRINT**

Where will I find them?

Cavities and recesses within the embankment have previously supported a legally protected otter shelter. There is the potential for otter(s) to be present at the time of the works programme. Any otter utilising the embankment is likely to retreat to the deepest cavities to remain out of sight if disturbed by human activity around cavity entrances.

When might I expect to find them?

There is the potential for otter(s) to be present at any time during the works, particularly around the start of the working day. Therefore, thorough inspection of the embankment feature should be undertaken prior the commencement of works each day to confirm absence of otter.

What do I do?

Otters are fully-protected against killing; capture, injury and disturbance, and any place they use for shelter/ protection (i.e. holts or dens) are protected against damage, destruction or obstruction.

If an otter is observed within the works footprint or else within 30m of the site, works must **stop immediately, and advice sought from an ecologist.**

Legislative Context

Otters are protected by the EC Habitats Directive, which is transposed into domestic law through the Conservation (Natural Habitats, &c.) Regulations 1994 (amended by the Habitat Regulations 2010). The latter is referred to as 'the Habitats Regulations'. Under the Habitats Regulations, otters are classed as "European Protected Species" and therefore given the highest level of species protection. In summary, it is now illegal to:

- deliberately or recklessly kill, injure or take (capture) an otter;
- deliberately or recklessly disturb or harass an otter; and
- damage, destroy or obstruct access to a breeding site or resting place of an otter (i.e. an otter shelter).

Field Signs Indicative of Otter

Spraints/ Droppings - Otters leave spraints (droppings) on rocks or logs close to water. They contain mainly fish shells, bones, shells of crustaceans, feathers or fur. Highly variable in size. Colour: greenish, black-grey. Smell: Sweet smelling; jasmine tea or laurel flowers. Often found in small quantities.



Footprints - Tracks can be found in sand and mud (and snow). They are **five-toed**, but often only four toes appear in the print.



PENALTIES

Breaking the law can lead to fines (per offence) and, potentially, prison sentences for the worst offences. Damage/ destruction of a feature being used as an otter holt without a European Protected Species licence can lead to prosecution. Any vehicle used to commit the offence may be forfeited. Both the company and/or individuals can be held liable.

APPENDIX C LOCATION OF NON-NATIVE SPECIES

